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**UNITED STATES ENVIRONMENT PROTECTION AGENCY
REGION 5
EMERGENCY RESPONSE BRANCH
POLLUTION REPORT**

Date: October 28, 1999

From: Pete Guria, On-Scene Coordinator

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Subject: South Central Terminal, CERCLA Removal Action,
Pana, Christian County, Illinois
Latitude: N 39° 22' 24.6" Longitude: W 89° 04' 57.2"

POLREP No.: 5

Site ID No.: B5D5

Reporting Period: October 25-28, 1999

Task Order No.: 35

Start Date: July 21, 1999

Response Authority: CERCLA

Completion Date:

NPL Status: Non-NPL

CERCLIS ID #: ILD 084 309 210

I. SITUATION:

- A. Cleanup actions continue without significant problems or delays. Short week for site activities. Crew to be de-mobilized 10/29 - 11/01. Demolition of asphalt plant and asbestos abatement is progressing nicely. The site has remained secure during non-working hours.
- B. Weather conditions: dry and mild. Temperatures have varied from the high 40's°F to the mid 70's. We like this Indian summer. No rain this past week. Water truck utilized daily to keep site dust to a minimum.

II. ACTIONS TAKEN:

- A. ACM removal from main refinery 88% complete. Crew began removing ACM TSI from the de-salting unit 10/28. Refinery almost ready for line breaking crew to remove and consolidate residual oils from heat exchanger's and pipelines. Bulk removal of remaining ACM insulation found in brick building began 10/28. Heavy water fog with amended water is used to saturate the insulation before it is loaded into a burrito bag lined roll off container. Additional ACM removal team concentrating on miscellaneous pipeline insulation across the site. Personal and perimeter air sampling has revealed no fibers above the OSHA TWA of 0.1 f/cc. No roll off containers of ACM were shipped for disposal this week.
- B. Demolition and consolidation of tank bottoms/sludge and contaminated soil from asphalt plant continues. A total of 33 tanks have been reduced to scrap metal as of 10/28. Scrap continues to be shipped to Granite City, IL, for reclamation at \$45/ton. Requested additional proposals from scrap facilities and steel mills 10/28. Will re-evaluate 11/01, to obtain fair market price for good plate steel reclamation. Shipped 7 loads of scrap steel totaling 79 tons this week. Total of 294.946 tons have been reclaimed to date.
- C. Still awaiting disposal pricing and acceptance for solidified oil sludge/contaminated soil, Tank 90 oil/sludge, solidified ammonium sulfate and oil from Tank 32, and flammable liquids. EQM T&D coordinator promises to have all pricing and acceptance in place by 11/03.
- D. ADM re-sampled Tank 118 10/25, and received analytical results 10/27. Demolition of tanks which previously contained $(\text{NH}_4)_2\text{SO}_4$, and excavation and disposal of sulfide contaminated soil on hold pending removal of the liquid $(\text{NH}_4)_2\text{SO}_4$ from tanks T117/T118. See Section V, below.
- E. Water treatment problems continue to plague operations. Water batch treated 10/26, was sampled and sent for analysis 10/27. Field tests indicate ammonia levels still may remain above NPDES discharge limits. Water was returned to surface impoundment. Treatment system has been shut down for maintenance through 11/01.

III. PLANS

- A. Complete ACM removal from main refinery by 11/02. Focus on miscellaneous pipeline insulation and transite insulation across the site. Continue personal and perimeter air sampling to ensure wet method for ACM removal is effective. Goal is to have all outdoor ACM pipeline insulation removed by the middle of November. Prepare for cracking tower lowering and ACM TSI removal by 11/15.
- B. Continue tank demolition and consolidation of tank bottoms/sludge and contaminated soil. Expect complete demolition and consolidation of tank bottom wastes from asphalt plant by 11/05.
- C. Finalized disposal arrangements and begin T&D of identified waste streams by 11/01. Portable heating unit to mobilize 11/01, to heat thick oil in Tank 90 so that it may be pumped into tank trucks for disposal. Arrange for T&D of Tank 90 by 11/04, if heating is successful. Schedule T&D of flammable liquids for 11/02. Samples of heavy tar

bottoms from asphalt tanks are under characterization by Amoco's research facility in Joliet, IL. These heavy hydrocarbon materials may be sent to Amoco's St. Louis asphalt facility for recycling.

- D. Mobilize EQM water treatment personnel 11/01, to trouble shoot water treatment problems.

IV. COSTS:

A. Case open.

B. Estimated costs through 10/27/1999:

	<u>Budgeted</u>	<u>Total To Date</u>	<u>Remaining</u>
ERRS	\$500,000	\$375,868	\$124,132
U.S. EPA - Direct	\$74,400	\$9,806	\$64,594
U.S. EPA - Indirect	\$122,000	\$15,900	\$106,100
START	<u>\$25,000</u>	<u>\$11,249</u>	<u>\$13,751</u>
Total	\$721,400	\$412,823	\$308,577

V. DISPOSITION OF WASTES:

- A. ADM re-sampled Tank 118 10/25, and received results 10/27. Liquid has been confirmed as $(\text{NH}_4)_2\text{SO}_4$, and is expected to be removed by ADM the first week in November. Soil surrounding Tanks 37, 19, 117, and 118 containing reactive sulfide to be excavated by USEPA and stockpiled for transportation and disposal by ADM. ADM is currently arranging for the material to be disposed at Waste Management's secure landfill in Taylorville, IL.
- B. A total of 3,449 ACM bags have been transported to CWM's secure landfill in Taylorville, IL, for disposal.
- C. To date total of 294.946 gross tons of scrap have been shipped for reclamation.
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